

**P10-1300**

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**Title :    method and device for evaluating deformations and forces**

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**ABSTRACT**

          The present invention relates to a method and a device for evaluating the deformations  
          or forces to which a structure comprising an elastomeric body (2) is subjected, said  
15    device comprising a dipole (6), the dielectric (3) of which is formed by said elastomeric  
          body and an electronic analysing circuit sensitive to a variation of a capacitive  
          characteristic of the dipole caused by said deformations of said body.

          In particular, but not exclusively, the invention relates to a device for evaluating the  
          forces to which a pneumatic tire is subjected when rolling, as it passes through the  
20    contact area. The invention applies similarly in other structures comprising an  
          elastomeric body, such as, for example, the elastomeric joints intended for the chassis  
          system of vehicles.

**Figure 1**

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